

NOTES ON THE DISTRIBUTION OF *APION GODMANI* WAGNER (CURCULIONIDAE)

By ARTHUR C. SMITH

Cornell University, Ithaca, New York

Apion godmani was originally described in 1912 by Hans Wagner from specimens collected at various localities in Guatemala by Godman and Salvin (1). Blackwelder, in his checklist of the beetles of Latin America (2), lists this species as occurring only in Guatemala. However, its occurrence in Mexico has been reported by A. Dampf and others in various publications of the Mexican Department of Agriculture. In PRINCIPALES PLAGAS Y ENFERMEDADES DE LOS CULTIVOS DE LA REPUBLICA MEXICANA *Apion godmani* is listed as "una de las plagas mas importantes del frijol en México" (3).

Inasmuch as this species has been confused in the literature in the past with *A. griseum* Smith, its most closely related Nearctic species, it seems worthwhile to report that *A. godmani* is the common species of this genus found on cultivated beans (*Phaseolis vulgaris* L.) in Mexico and Guatemala.

In a survey of bean insects¹ conducted by the author for the Mexican Agricultural Program of the Rockefeller Foundation in the summer and fall of 1948 and again in 1949, *A. godmani*² was collected in many localities throughout much of Mexico, as shown in fig. 1. A similar but less extensive survey was made in 1947 by Dr. J. J. McKelvey, Jr., of the Rockefeller Foundation staff. Each dot on the map represents a collection or series of collections of adult beetles made at a specific geographic locality in Mexico. Additional specimens were collected by J. J. McKelvey

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in Guatemala. All specimens are at present in the collection of the writer. A complete listing of the geographic localities represented on this map may be found in the writer's thesis THE ECOLOGY AND CONTROL OF THE *APION* POD WEEVIL IN MEXICO in the library at Cornell University.



Fig. 1.—Collections of *Apion godmani* made in Mexico; representing its known distribution.

LITERATURE CITED

- (1) Wagner, Hans. Beitrag zur Kenntnis der *Apion*-Fauna Central- und Süd-Amerikas. Arch. Naturg. vol. 78, Abt. A., Heft 2, p. 101. 1912.
- (2) Blackwelder, Richard E. Checklist of the coleopterous insects of Mexico, Central America, the West Indies, and South America, Part 5. U. S. Nat. Mus. Bull. 185, p. 829. 1947.
- (3) Estados Unidos Mexicanos, Secretaria de Agricultura y Fomento. Principales plagas y enfermedades de los cultivos de la Republica Mexicana, pp. 84-85. 1930.
- (4) Wickham, H. F. Weevils of the genus *Apion* injurious to beans in Mexico. Proc. Ent. Soc. Washington, vol. 24, pp. 118-122. 1922.